

Abstract

A method of manufacturing metallic components consisting of at least two different materials, one of them being an iron-based alloy and the other an aluminum-based alloy, and involving the steps of: depositing a metallic layer onto the body made from the iron-based alloy, said layer being an aluminum-based alloy, preferably based on Al-Si or Fe, placing the coated body in a casting mold and casting an aluminum-based alloy about the coated body. Prior to placing the body in the casting mold, the metallic layer of the body is sprayed and/or blasted with silicon powder and/or Borax ($\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$, hydrated sodium borate).